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Quality Engineering Test Report

SERIES: SKE10C 10W DC-DC SINGLE OUTPUT CONVERTER

SAMPLE: A:SKE10C-05 5V / 2A
B:SKE10C-12 12V / 0.84A

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 36~72VDC O/P:FULL LOAD	A:29~72VDC	P
2	LINE REGULATION	I/P:36~72VDC SPEC: ±0.3% O/P:FULL LOAD	A: 0% ~ 0% B: -0.3% ~ +0.1%	P
3	LOAD REGULATION	I/P:48VDC SPEC: ±1% O/P:MIN. TO FULL LOAD	A: -0.2% ~ +0.4% B: -0.1% ~ +0.2%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P:36~72VDC SPEC: NONE O/P:MIN. TO FULL LOAD	A: -0.2% ~ +0.4% B: -0.3% ~ +0.3%	P
5	RIPPLE&NOISE	I/P:48VDC SPEC: A:50mV B:60mV O/P:FULL LOAD	A: 23mV B: 20mV	P
6	DC INPUT CURRENT	I/P:48VDC SPEC: NONE O/P:FULL LOAD	A:0.26A	P
7	O/P VOLTAGE ACCURACY	I/P:48VDC SPEC: ±2% O/P:MIN. LOAD	A: 5.02V B: 12.1V	P
8	SET UP TIME	I/P:48VDC SPEC: NONE O/P:FULL LOAD	A:236mS	P
9	EFFICIENCY	I/P:48VDC SPEC: >76% O/P:FULL LOAD	A: 80.1% B: 87.5%	P
10	OVER LOAD PROTECTION	I/P:48VDC SPEC: NONE O/P:TESTING	A: 174% B: 167%	P
11	INSULATION RESISTANCE	SPEC: I/P–O/P: 500VDC/100M Ohms MIN.	A: I/P–O/P>100M Ohms	P
12	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P–O/P: 500VDC/ 1 min (10mA CUT-OFF)	A: I/P–O/P:<0.5mA	P
13	BURN-IN TEST	I/P:48VDC O/P:FULL LOAD TA:22°C BURN-IN DURATION : 4 hrs	A: NO BREAK B: NO BREAK	P
14	TEMPERATURE RISE TEST T rise OF PARTS	A: I/P :48VDC AFTER 4 hrs BURN-IN O/P :FULL LOAD TA:24°C		P
15	CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)	1. PACKING : 以塑膠泡墊保護PIN腳,再以紙盒包裝 2. MARKING : MODEL LABELx1 3. MECHANICAL : MODULAR TYPE, PIN :1.0∅x7mm		

POSITION	SAMPLE	TEMP	T rise
CASE	SKE10C-05	49.7°C	25.7°C

DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
980729	SKE10C-05 SKE10C-12	PASS	T.K.CHENG	MAX LIN